

SUBSTITUTE ABSTRACT

Please delete the current Abstract and replace it with the following new Abstract:

ABSTRACT

Methods, computer readable medium and systems are provided for moving data objects from a first storage location to a second storage location. One or more data objects may be selected from a first storage location. At least one identifier (ID) of at least one type may be assigned to each of the selected data objects. The ID may then be stored in a transactional type lock object. Methods and systems consistent with the invention may determine whether the ID is stored successfully in the transactional type lock object, and upon a successful storage, may store the ID in a permanent type lock object. Methods and systems consistent with the invention may further determine whether the ID is stored successfully in the permanent type lock object, and upon a successful storage, may delete the ID from the transactional type lock object. The data object, the ID of which is contained in the permanent type lock object, may then be stored at the second storage location and the second storage location may be assigned to the ID in the permanent type lock object. The data object, the ID of which is contained in the permanent type lock object, may then be deleted from the first storage location, and the ID may be deleted from the permanent type lock object after the respective data object assigned to that ID has been deleted from the first storage location.